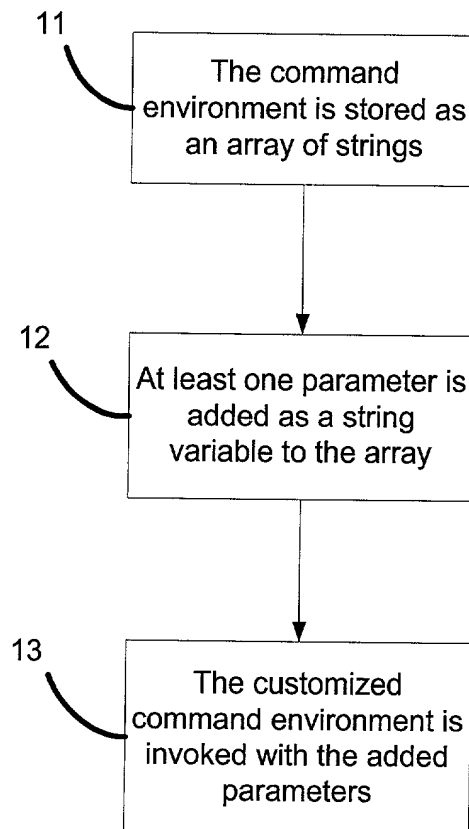


AUS920010927US1
James M. McArdle
Passing Parameters To An External
Command Via The Command Environment

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FIG. 1

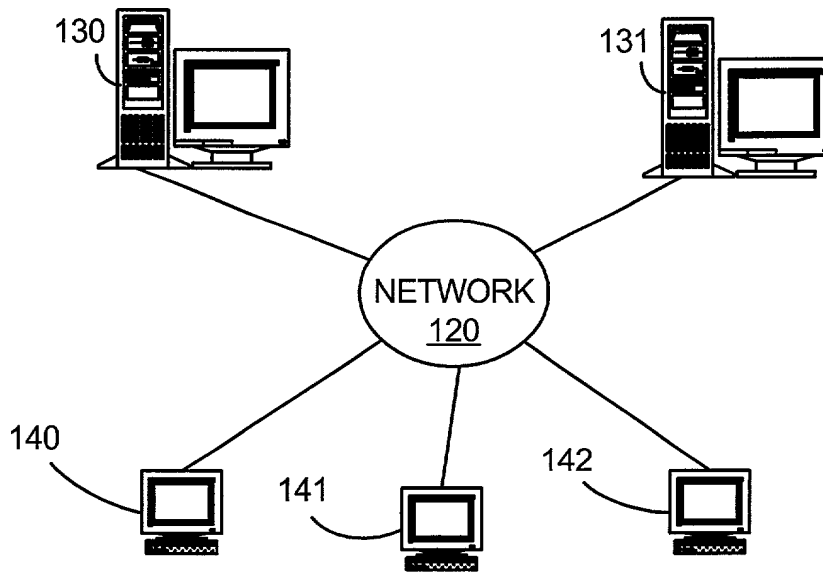
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```
public int runCommand(String stepName, String cmdName, String args[]) {  
    String cmd = prefs.getProperty(cmdName + ".cmd");  
    Vector envp = new Vector();  
    String vxargPrefix = "reportpar" + reportIndex + ".";  
25    envp.addElement("VXARG0="+ prefs.getProperty(vxargPrefix + "0", "novalue"));  
    envp.addElement("VXARG1="+ prefs.getProperty(vxargPrefix + "1", "novalue"));  
  
    envp.addElement("IWDA_WHOAMI="+ prefs.getProperty("env.whoami", "novalue"));  
30    envp.addElement("IWDA_PATH="+ prefs.getProperty("env.iwdpath", "novalue"));  
  
    envp=loadEnvp(envp);  
  
    int rc = 0;  
35    for(int i=0; i<args.length; i++) {  
        if(args[i]==null) break;  
        if(platform.startsWith("AIX")){  
            cmd = cmd+ " "+ args[i];  
40        }  
        else{  
            cmd=cmd + " \"" + args[i] + "\"";  
        }  
    }  
45    try {  
  
        String envp2[]= new String[envp.size()];  
        envp.copyInto(envp2);  
        Process cmdProc = Runtime.getRuntime().exec(cmd,envp2);  
50        rc=cmdProc.exitValue();  
        if(rc!=0) throw new Exception("rc="+rc);  
    }  
    catch (Exception e) {  
        return rc;  
55    }  
    return rc;  
}
```

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```
public Vector loadEnvp(Vector envp) {  
    String FS = File.separator;  
    String envpFile=prefs.getProperty("env.iwddata") + FS + "tmp"+FS+"envpfile";  
    String cmd;  
65    if(platform.startsWith("AIX")) {  
        cmd=prefs.getProperty("env.iwddata") + FS + "tmp" + FS + "createEnv.sh";  
        try {  
            FileOutputStream cmdos = new FileOutputStream(cmd);  
70            PrintWriter cmdLog = new PrintWriter(cmdos);  
            cmdLog.println("#!/bin/sh");  
            cmdLog.println("env > "+envpFile);  
            cmdLog.close();  
            Process cmdProc2 = Runtime.getRuntime().exec("chmod 755 "+ cmd);  
75            cmdProc2.waitFor();  
        }catch (Exception io){  
        }  
        else {  
80            cmd="db2cmd -c -i -w set";  
            cmd=cmd + ">" + envpFile;  
        }  
        try {  
85            Process envProc =Runtime.getRuntime().exec(cmd);  
            envProc.waitFor();  
            FileReader fin = new FileReader(envpFile);  
            BufferedReader bin = new BufferedReader(fin);  
            String envpLine;  
90            while((envpLine=bin.readLine()) != null) {  
                envp.addElement(envpLine);  
            }  
95            bin.close();  
            fin.close();  
        }  
        catch (Exception e) {  
            logTrace(e);  
100        }  
        return envp;  
    }  
}
```

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FIG. 4